

Title (en)  
CARTRIDGE

Title (de)  
KARTUSCHE

Title (fr)  
CARTOUCHE

Publication  
**EP 3722814 A1 20201014 (EN)**

Application  
**EP 20177344 A 20161107**

Priority  
• JP 2015223368 A 20151113  
• EP 16864156 A 20161107  
• JP 2016082940 W 20161107

Abstract (en)  
[Problem] To ensure that a fluid is prevented from overflowing from a well and exposing the user to a biohazard.[Solution] A cartridge for use in measuring a component to be measured contained in a fluid includes a recessed well, formed for storing the fluid, the well including: a lower barrel portion that defines a lower space having a closed bottom; and an upper barrel portion that is formed above the lower barrel portion and defines an upper space having an opening on the top end, wherein a step portion is formed between the lower barrel portion and the upper barrel portion, the step portion being formed on an inner wall surface of the well and defining a step that continuously connects the inner wall surface of the lower barrel portion and the inner wall surface of the upper barrel portion.

IPC 8 full level  
**G01N 35/02** (2006.01); **B01L 3/00** (2006.01)

CPC (source: EP US)  
**B01L 3/00** (2013.01 - EP US); **B01L 3/502** (2013.01 - EP US); **B01L 3/50851** (2013.01 - US); **B01L 3/527** (2013.01 - US); **G01N 35/02** (2013.01 - EP US); **G01N 35/026** (2013.01 - US); **G01N 35/028** (2013.01 - US); **B01L 2200/0605** (2013.01 - EP US); **B01L 2300/028** (2013.01 - EP US); **B01L 2300/0858** (2013.01 - EP US); **B01L 2300/0861** (2013.01 - US); **G01N 2035/0401** (2013.01 - US); **G01N 2035/0412** (2013.01 - US)

Citation (applicant)  
JP 2009150912 A 20090709 - MITSUBISHI KAGAKU IATRON INC

Citation (search report)  
• [X] JP H09101302 A 19970415 - TOPPAN PRINTING CO LTD  
• [A] JP 2011128019 A 20110630 - HITACHI MAXELL  
• [X] JP 2010032487 A 20100212 - OLYMPUS CORP  
• [X] EP 1963853 A2 20080903 - MESO SCALE TECHNOLOGIES LLC [US]  
• [X] US 2008020455 A1 20080124 - ZANTL ROMAN [DE], et al  
• [A] EP 2618161 A1 20130724 - UNIVERSAL BIO RESEARCH CO LTD [JP]  
• [A] US 7972516 B2 20110705 - KREUWEL HERMANNUS JOHANNES MARIA [NL], et al

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**EP 3376232 A1 20180919; EP 3376232 A4 20180919; EP 3376232 B1 20201223**; EP 3722814 A1 20201014; EP 3722814 B1 20240320; JP 6708215 B2 20200610; JP WO2017082195 A1 20180830; US 11534764 B2 20221227; US 2018311668 A1 20181101; WO 2017082195 A1 20170518

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**EP 16864156 A 20161107**; EP 20177344 A 20161107; JP 2016082940 W 20161107; JP 2017550302 A 20161107; US 201615770667 A 20161107